

CLAIMS

1. A structure connecting a shroud to a heat exchanger comprising:

5 an air blower that sends a current of air to the heat exchanger;

the shroud that guides the current of air sent from the air blower to the heat exchanger; and

brackets for mounting the heat exchanger to a vehicle body;

10 wherein the brackets and the shroud are pressed by part of the vehicle body and prevented from moving in the vertical direction in a state in which the horizontal movement of the shroud with respect to the brackets is prevented by projections that are formed on  
15 the top end sides of the brackets and project upward, and the bottom end side of the shroud is supported by support projections provided to the brackets.

2. A structure connecting a shroud to a heat exchanger comprising:

20 an air blower that sends a current of air to the heat exchanger; and

the shroud that guides the current of air sent from the air blower to the heat exchanger;

25 wherein the heat exchanger and the shroud are pressed by part of a vehicle body and prevented from moving in the vertical direction in a state in which the horizontal movement of the shroud with respect to the heat exchanger is prevented by projections that are formed on the top end side of the heat exchanger and  
30 projects in a vertical direction, and the bottom end side of the shroud is supported by support projections provided to the heat exchanger.

3. A structure connecting a shroud to a heat exchanger comprising:

35 an air blower that sends a current of air to the heat exchanger;

the shroud that guides the current of air

sent from the air blower to the heat exchanger; and  
brackets for mounting the heat exchanger  
to a vehicle body;

wherein the brackets and the shroud are  
5 prevented from moving in the vertical direction by  
tightening-coupling means provided at least to either of  
the brackets or the shroud in a state in which the  
horizontal movement of the shroud with respect to the  
brackets is prevented by projections that are formed on  
10 the top end sides of the brackets and project upward, and  
the bottom end side of the shroud is supported by support  
projections provided to the brackets.

4. A structure connecting a shroud to a heat  
exchanger comprising:

15 an air blower that sends a current of air  
to the heat exchanger; and

the shroud that guides the current of air  
sent from the air blower to the heat exchanger;

wherein the heat exchanger and the shroud  
20 are pressed by tightening-coupling means provided to the  
heat exchanger and prevented from moving in the vertical  
direction in a state in which the horizontal movement of  
the shroud with respect to the heat exchanger is  
prevented by projections that are formed on the top end  
25 side of the heat exchanger and project in a vertical  
direction, and the bottom end side of the shroud is  
supported by support projections provided to the heat  
exchanger.

5. A structure connecting a shroud to a heat  
30 exchanger, as set forth in claim 3, wherein the  
tightening-coupling means are engaging-stopping  
projections that can displace elastically.

6. A structure connecting a shroud to a heat  
exchanger, as set forth in claim 1, wherein the brackets  
35 are provided with the projections and the shroud is  
provided with insertion holes into which the projections  
are inserted.

7. A structure connecting a shroud to a heat exchanger, as set forth in claim 1, wherein plural heat exchangers are assembled to the brackets so as to sandwich the brackets.

5        8. A structure connecting a shroud to a heat exchanger, as set forth in claim 1, wherein the shroud has a substantially L-shaped section which comprises:  
                    a top end portion that is assembled to the  
                    projections of the brackets (or the heat exchanger); and  
10                    an air guide portion that supports the air blower and guides the current of air that has passed through the heat exchanger to the air blower.

9. A structure connecting a shroud to a heat exchanger, as set forth in claim 4, wherein the  
15        tightening-coupling means have engaging-stopping projections that can displace elastically.

10. A structure connecting a shroud to a heat exchanger, as set forth in claim 3, wherein the brackets are provided with the projections and the shroud is  
20        provided with insertion holes into which the projections are inserted.

11. A structure connecting a shroud to a heat exchanger, as set forth in claim 3, wherein plural heat exchangers are assembled to the brackets so as to  
25        sandwich the brackets.

12. A structure connecting a shroud to a heat exchanger, as set forth in claim 2, wherein the shroud has a substantially L-shaped section which comprises:  
                    a top end portion that is assembled to the  
30        projections of the brackets (or the heat exchanger); and  
                    an air guide portion that supports the air blower and guides the current of air that has passed through the heat exchanger to the air blower.

13. A structure connecting a shroud to a heat  
35        exchanger, as set forth in claim 3, wherein the shroud has a substantially L-shaped section which comprises:  
                    a top end portion that is assembled to the

projections of the brackets (or the heat exchanger); and  
an air guide portion that supports the air  
blower and guides the current of air that has passed  
through the heat exchanger to the air blower.

5           14. A structure connecting a shroud to a heat  
exchanger, as set forth in claim 4, wherein the shroud  
has a substantially L-shaped section which comprises:

                  a top end portion that is assembled to the  
projections of the brackets (or the heat exchanger); and  
10                   an air guide portion that supports the air  
blower and guides the current of air that has passed  
through the heat exchanger to the air blower.